IZVEŠTAJ O STATUSU IRITEL UREĐAJA U “INFRASTRUKTURI ŽELEZNICE SRBIJE”, Januar 2025.

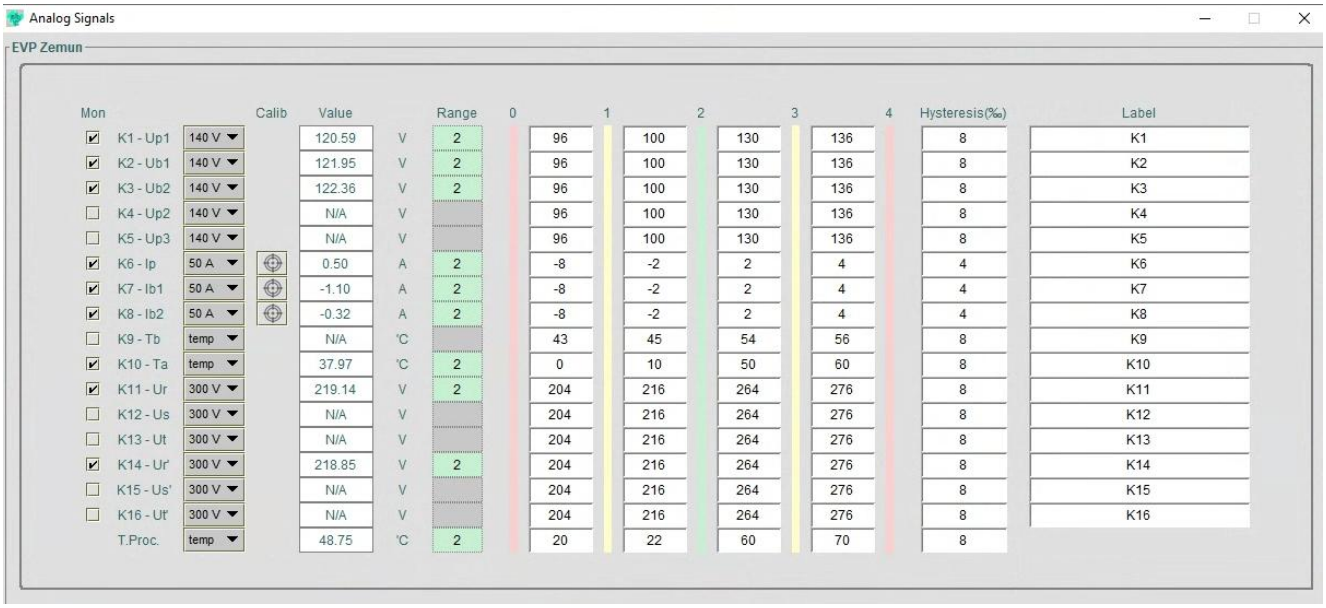
IRITEL DNU24

Statusi uređaja

Lokacija	ID uređaja	IP adresa/maska	Gateway	Serijski broj	Verzija softvera	Status uređaja
EVP Zemun	DNU24#1	172.26.9.200/24	172.26.9.1	061	1.42	**operativan**
TSPn Batajnica	DNU24#2	172.26.16.200/24	172.26.16.1	045	1.42	**operativan**
TSP Stara Pazova	DNU24#3	172.26.19.200/24	172.26.19.1	038	1.42	**operativan**
EVP Inđija (TSP)	DNU24#4	172.26.21.200/24	172.26.21.1	206	1.42	nedostupan
PSN Beška (TSP)	DNU24#5	172.26.23.200/24	172.26.23.1	139	1.42	nedostupan

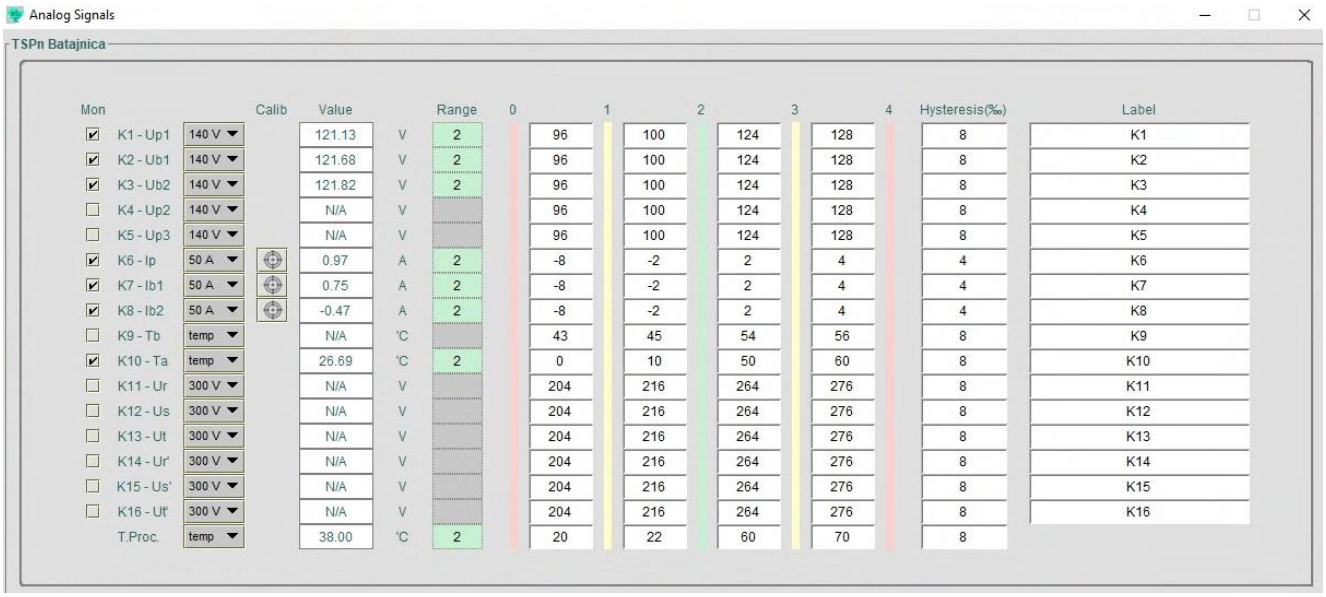
Očitana merenja operativnih uređaja (03.02.2025.)

EVP Zemun



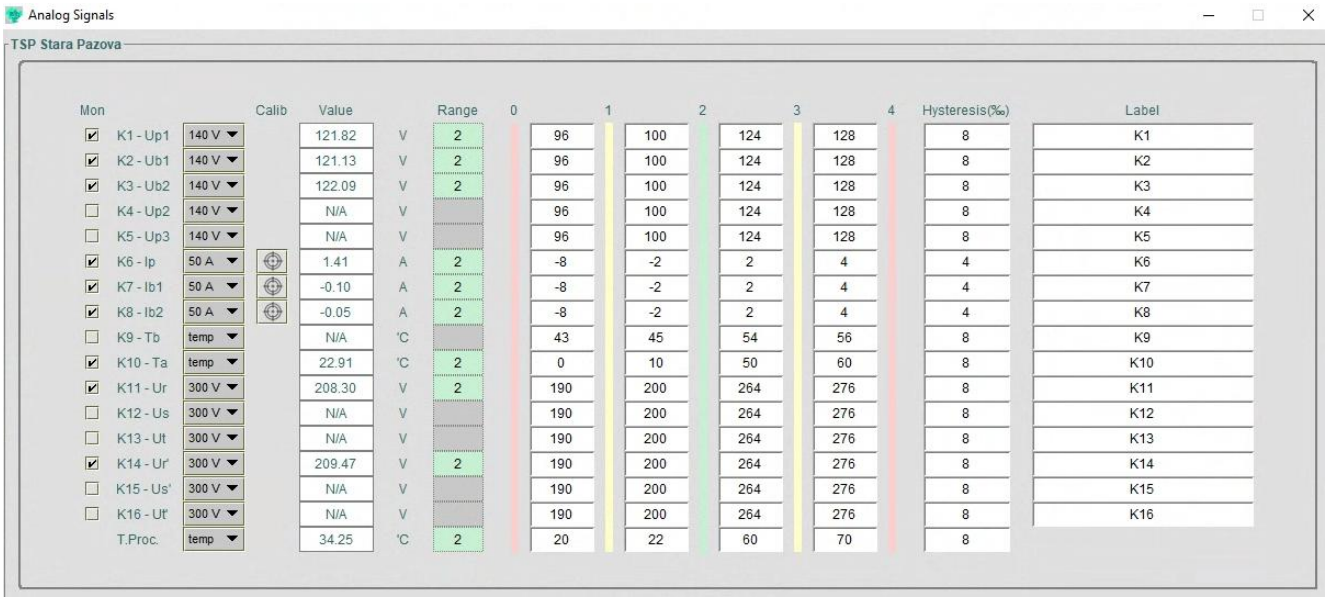
Mon			Calib	Value		Range	0	1	2	3	4	Hysteresis(‰)	Label
☑	K1 - Up1	140 V		120.59	V	2	96	100	130	136		8	K1
☑	K2 - Ub1	140 V		121.95	V	2	96	100	130	136		8	K2
☑	K3 - Ub2	140 V		122.36	V	2	96	100	130	136		8	K3
☐	K4 - Up2	140 V		N/A	V		96	100	130	136		8	K4
☐	K5 - Up3	140 V		N/A	V		96	100	130	136		8	K5
☑	K6 - Ip	50 A		0.50	A	2	-8	-2	2	4		4	K6
☑	K7 - Ib1	50 A		-1.10	A	2	-8	-2	2	4		4	K7
☑	K8 - Ib2	50 A		-0.32	A	2	-8	-2	2	4		4	K8
☐	K9 - Tb	temp		N/A	°C		43	45	54	56		8	K9
☑	K10 - Ta	temp		37.97	°C	2	0	10	50	60		8	K10
☑	K11 - Ur	300 V		219.14	V	2	204	216	264	276		8	K11
☐	K12 - Us	300 V		N/A	V		204	216	264	276		8	K12
☐	K13 - Ut	300 V		N/A	V		204	216	264	276		8	K13
☑	K14 - Ur'	300 V		218.85	V	2	204	216	264	276		8	K14
☐	K15 - Us'	300 V		N/A	V		204	216	264	276		8	K15
☐	K16 - Ut'	300 V		N/A	V		204	216	264	276		8	K16
	T.Proc.	temp		48.75	°C	2	20	22	60	70		8	

TSPn Batajnica



Mon			Calib	Value		Range	0	1	2	3	4	Hysteresis(‰)	Label
☑	K1 - Up1	140 V		121.13	V	2	96	100	124	128		8	K1
☑	K2 - Ub1	140 V		121.68	V	2	96	100	124	128		8	K2
☑	K3 - Ub2	140 V		121.82	V	2	96	100	124	128		8	K3
☐	K4 - Up2	140 V		N/A	V		96	100	124	128		8	K4
☐	K5 - Up3	140 V		N/A	V		96	100	124	128		8	K5
☑	K6 - Ip	50 A	⊕	0.97	A	2	-8	-2	2	4		4	K6
☑	K7 - Ib1	50 A	⊕	0.75	A	2	-8	-2	2	4		4	K7
☑	K8 - Ib2	50 A	⊕	-0.47	A	2	-8	-2	2	4		4	K8
☐	K9 - Tb	temp		N/A	'C		43	45	54	56		8	K9
☑	K10 - Ta	temp		26.69	'C	2	0	10	50	60		8	K10
☐	K11 - Ur	300 V		N/A	V		204	216	264	276		8	K11
☐	K12 - Us	300 V		N/A	V		204	216	264	276		8	K12
☐	K13 - Ut	300 V		N/A	V		204	216	264	276		8	K13
☐	K14 - Ur'	300 V		N/A	V		204	216	264	276		8	K14
☐	K15 - Us'	300 V		N/A	V		204	216	264	276		8	K15
☐	K16 - Ut'	300 V		N/A	V		204	216	264	276		8	K16
	T.Proc.	temp		38.00	'C	2	20	22	60	70		8	

TSP Stara Pazova



Mon			Calib	Value		Range	0	1	2	3	4	Hysteresis(‰)	Label
☑	K1 - Up1	140 V		121.82	V	2	96	100	124	128		8	K1
☑	K2 - Ub1	140 V		121.13	V	2	96	100	124	128		8	K2
☑	K3 - Ub2	140 V		122.09	V	2	96	100	124	128		8	K3
☐	K4 - Up2	140 V		N/A	V		96	100	124	128		8	K4
☐	K5 - Up3	140 V		N/A	V		96	100	124	128		8	K5
☑	K6 - Ip	50 A	⊕	1.41	A	2	-8	-2	2	4		4	K6
☑	K7 - Ib1	50 A	⊕	-0.10	A	2	-8	-2	2	4		4	K7
☑	K8 - Ib2	50 A	⊕	-0.05	A	2	-8	-2	2	4		4	K8
☐	K9 - Tb	temp		N/A	'C		43	45	54	56		8	K9
☑	K10 - Ta	temp		22.91	'C	2	0	10	50	60		8	K10
☑	K11 - Ur	300 V		208.30	V	2	190	200	264	276		8	K11
☐	K12 - Us	300 V		N/A	V		190	200	264	276		8	K12
☐	K13 - Ut	300 V		N/A	V		190	200	264	276		8	K13
☑	K14 - Ur'	300 V		209.47	V	2	190	200	264	276		8	K14
☐	K15 - Us'	300 V		N/A	V		190	200	264	276		8	K15
☐	K16 - Ut'	300 V		N/A	V		190	200	264	276		8	K16
	T.Proc.	temp		34.25	'C	2	20	22	60	70		8	

Statistika pojavljivanja alarma (broj i procenat)

Uređaj	Broj pojavljivanja alarma	Procenat pojavljivanja	Naziv alarma i broj pojavljivanja
EVP Zemun	**19**	**33%**	K6-1P-HIGH-WARN(17) K7-1131-LOW-WARN(2)
TSP Stara Pazova	**35**	**62%**	K1-UPI-HIGH-WARN(2) K2-UB1-HIGH-WARN(2) K3-UB2-HIGH-WARN(2) K11-UR-LOW-ALRM(2) K11-UR-HIGH-WARN(12) K14-URF-LOW-ALRM(1) K14-URF-HIGH-WARN(14)
TSPn Batajnica	**3**	**5%**	K1-UPI-HIGH-WARN(1) K2-UB1-HIGH-WARN(1) K3-UB2-HIGH-WARN(1)

Napomena: Na DNU24 uređajima su zabeležene samo informacije nivoa upozorenja i one su posledica detekcije periodičnog pražnjenja baterija, dopunjavanja baterija i uskog opsega definisanih vrednosti za detekciju naizmeničnog napona. U narednom periodu biće praćene vrednosti napona i pomerene granice za generisanje upozorenje u realnije okvire.

IRITEL OFM-24

Statusi uređaja

Lokacija	ID uređaja	IP adresa/maska	Gateway	Serijski broj	Status uređaja
Stara Pazova	OFM-24	172.26.18.200/24	172.26.18.1	1749092	**operativan**

Povezivanje portova na uređaju

Port na uređaju	Labela	Pravac	Komentar
OFM-24 #1 (A1)	ODF OK1,2/OK1/KON_IN_36 (36)	STP-NPZ	
OFM-24 #2 (A2)	ODF OK1,2/OK2/KON_IN_36 (12)	STP-NPZ	
OFM-24 #3 (A3)	ODF OK3...		Planirano za OK3
OFM-24 #4 (A4)			slobodno
OFM-24 #5 (B1)	ODF OK1,2/OK1/KON_IN_48 (48)	STP-ZEM-BG	
OFM-24 #6 (B2)	ODF OK1,2/OK2/KON_IN_92 (72)	STP-ZEM-BG	
OFM-24 #7 (B3)	ODF OK3...		Planirano za OK3
OFM-24 #8 (B4)			slobodno
OFM-24 #9 (C1)	ODF OK1,2/OK1/KON_OUT_36 (36)	STP-INĐ-BEŠ	
OFM-24 #10 (C2)	ODF OK1,2/OK2/KON_OUT_36 (36)	STP-INĐ-BEŠ	
OFM-24 #11 (C3)	ODF OK3...		Planirano za OK3
OFM-24 #12 (C4)			slobodno
OFM-24 #13 (D1)	ODF OK1,2/OK1/KON_ OUT_48 (48)	STP-INĐ-NS	
OFM-24 #14 (D2)	ODF OK1,2/OK2/KON_ OUT_96 (96)	STP-INĐ-NS	
OFM-24 #15 (D3)	ODF OK3...		Planirano za OK3
OFM-24 #16 (D4)			slobodno
OFM-24 #17 (E1)			slobodno
OFM-24 #18 (E2)			slobodno
OFM-24 #19 (E3)			slobodno
OFM-24 #20 (E4)			slobodno
OFM-24 #21 (F1)			slobodno
OFM-24 #22 (F2)			slobodno
OFM-24 #23 (F3)			slobodno
OFM-24 #24 (F4)			slobodno

Povezivanje portova za OK1 i OK2 izvršeno OK 20m SC/APC – E2000 (8 kom)

Povezivanje portova ka OK3 kablići razvučeni do razdelinka, ali nisu povezani na portove na razdelniku.

Očitana merenja (03.02.2025.)

OFM-24 OTDR report port#1 STP-NPZ
ODF OK1,2/OK1/KON_IN_36 (36)

Datum: 03.02.2025.
Vreme: 07:39:55
Port: 1 (A1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK1, konektor 36,
pravac: Stara Pazova – Nova Pazova

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	10		Acquisition time [s]	10
Fiber	Dark		Range [km]	10

Rezultat

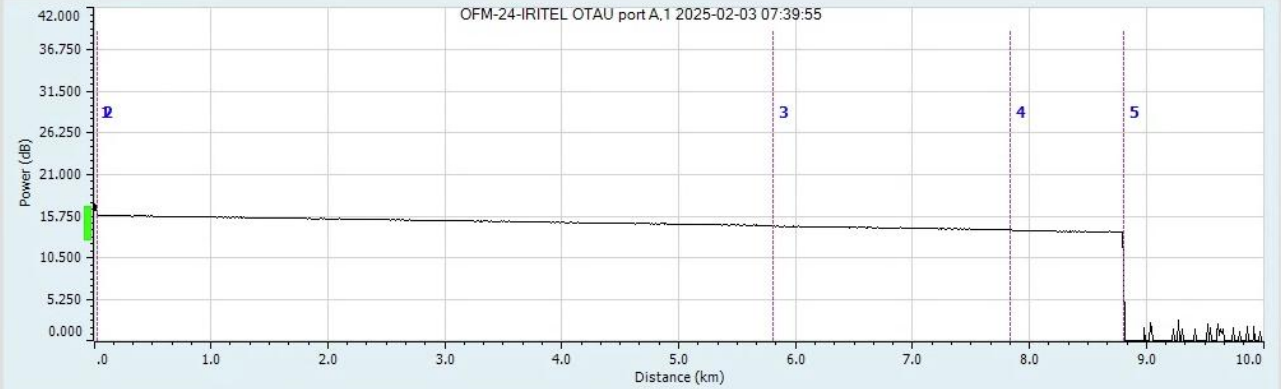
Total Loss [dB]	2,784		Average Loss [dB/km]	0,316
Total Length [m]	8804,71			
Number of events	5			

Grafik

OTDR Graph, device: 172.26.18.200, port: 1, measurement 2025-02-03 07:39:55

Results

Results graph



Zoom start: 0 | Zoom | Zoom out | Save trace

Zoom stop: 1

Results table

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Grouped Event	0.000	0.005	16.550	-	-	-66.325	19.837	0.000
1.1		Reflective Event	0.000	0.001	-	-	-	-73.599	17.655	0.000
1.2		Reflective Event	0.001	0.004	-	-	-	-66.325	19.837	0.000
		Optical Span	0.000	0.022	-	0.047	2.100	-	-	0.047
2		Reflective Event	0.022	0.004	16.485	0.661	-	-62.545	21.424	0.726
		Optical Span	0.022	5.781	-	1.284	0.222	-	-	2.011
3		Negative Non-R...	5.803	0.003	14.582	0.084	-	-	14.590	2.051
		Optical Span	5.803	2.033	-	0.439	0.216	-	-	2.490
4		Negative Non-R...	7.837	0.015	14.060	0.123	-	-	14.140	2.613
		Optical Span	7.837	0.968	-	0.171	0.177	-	-	2.784
5		Reflective Event	8.804	0.004	13.765	-	-	-57.417	21.044	2.784

Test properties

Auto settings: Yes | Splice loss threshold (dB): 0.02 | RBS (dB/ns): -82.82

Result properties

Actual range (km): 10.0 | Actual pulse (ns): 10 | Actual duration (s): 15

Maximum injection (dB): 18.196 | Type:

OFM-24 OTDR report port#2 STP-NPZ
ODF OK1,2/OK2/KON_IN_36 (12)

Datum: 03.02.2025.
Vreme: 07:40:54
Port: 2 (A2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 36,
pravac: Stara Pazova – Nova Pazova

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	30		Acquisition time [s]	10
Fiber	Dark		Range [km]	10

Rezultat

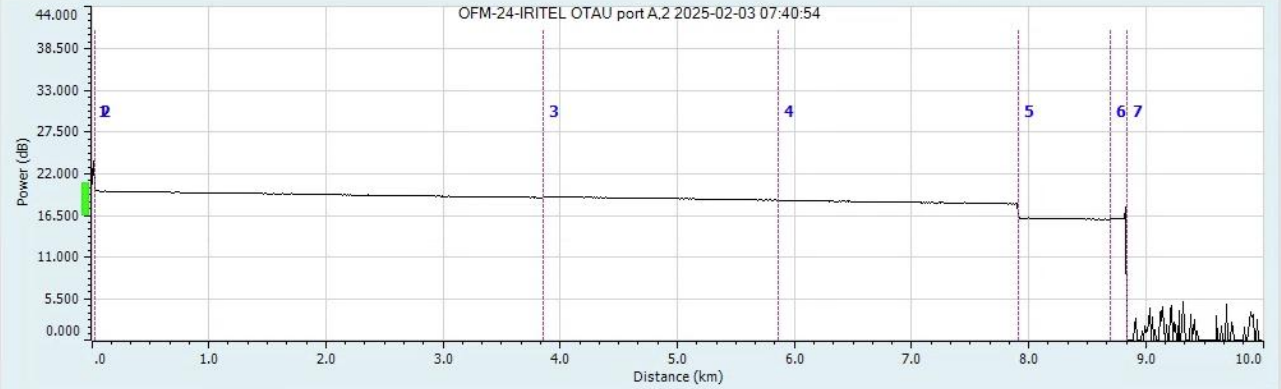
Total Loss [dB]	4,560		Average Loss [dB/km]	0,516
Total Length [m]	8835,32			
Number of events	7			

Grafik

OTDR Graph, device: 172.26.18.200, port: 2, measurement 2025-02-03 07:40:54

Results

Results graph



Zoom start: 0 | Zoom | Zoom out | Save trace

Zoom stop: 1

Results table

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Reflective Event	0.000	0.008	20.630	-	-	-59.335	25.226	0.000
		Optical Span	0.000	0.022	-	0.013	0.601	-	-	0.013
2		Reflective Event	0.022	0.008	20.619	0.892	-	-52.346	28.494	0.902
		Optical Span	0.022	3.829	-	0.873	0.228	-	-	1.775
3		Positive Non-Re...	3.852	0.012	18.853	-0.135	-	-	19.044	1.641
		Optical Span	3.852	2.005	-	0.448	0.224	-	-	2.090
4		Negative Non-R...	5.857	0.006	18.540	0.048	-	-	18.574	2.138
		Optical Span	5.857	2.055	-	0.446	0.217	-	-	2.584
5		Negative Non-R...	7.912	0.007	18.046	1.883	-	-	18.059	4.466
		Optical Span	7.912	0.784	-	0.175	0.223	-	-	4.641
6		Positive Non-Re...	8.696	0.008	15.989	-0.133	-	-	16.111	4.508
		Optical Span	8.696	0.139	-	0.053	0.380	-	-	4.561
7		Reflective Event	8.835	0.011	16.070	-	-	-54.150	23.066	4.560

Test properties

Auto settings: Yes | Splice loss threshold (dB): 0.02 | RBS (dB/ns): -82.82

Result properties

Actual range (km): 10.0 | Actual pulse (ns): 30 | Actual duration (s): 15

Maximum injection (dB): 22.321 | Type:

OFM-24 OTDR report port#5 STP-ZEM-BG
ODF OK1,2/OK1/KON_IN_48 (48)

Datum: 03.02.2025.
Vreme: 07:41:31
Port: 5 (B1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 48,
pravac: Stara Pazova – Zemun - Beograd

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	275		Acquisition time [s]	10
Fiber	Dark		Range [km]	45

Rezultat

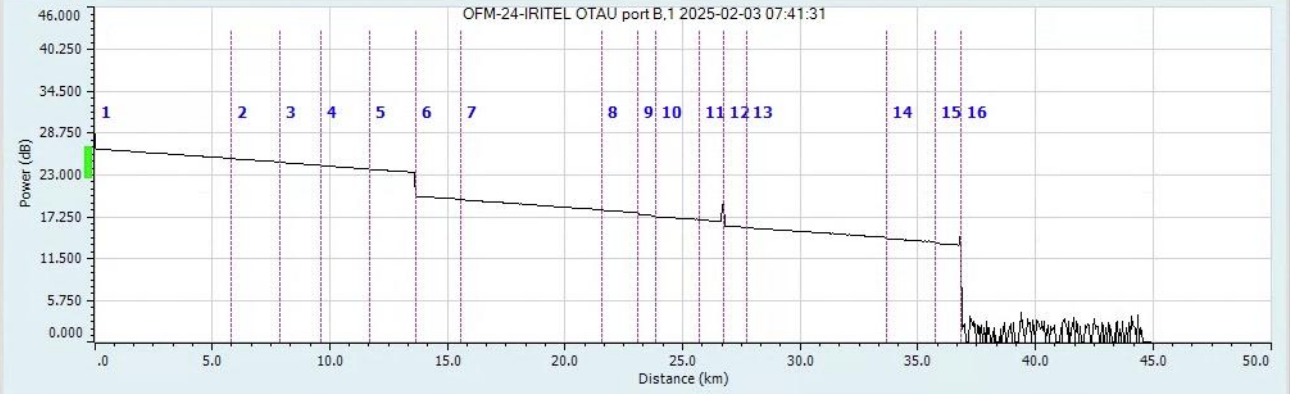
Total Loss [dB]	13,229		Average Loss [dB/km]	0,359
Total Length [m]	36831			
Number of events	16			

Grafik

OTDR Graph, device: 172.26.18.200, port: 5, measurement 2025-02-03 07:41:31

Results

Results graph



Zoom start: 0 | Zoom | Zoom out | Save trace

Zoom stop: 1

Results table

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.064	26.608	-	-	-53.736	29.590	0.000
		Optical Span	0.000	5.809	-	1.315	0.226	-	-	1.315
2		Negative Non-R...	5.809	0.046	25.291	0.042	-	-	25.304	1.359
		Optical Span	5.809	2.049	-	0.442	0.216	-	-	1.801
3		Negative Non-R...	7.858	0.051	24.806	0.078	-	-	24.814	1.879
		Optical Span	7.858	1.748	-	0.376	0.215	-	-	2.255
4		Negative Non-R...	9.605	0.051	24.352	0.070	-	-	24.354	2.325
		Optical Span	9.605	2.069	-	0.446	0.216	-	-	2.771
5		Negative Non-R...	11.674	0.054	23.837	0.056	-	-	23.858	2.827
		Optical Span	11.674	1.967	-	0.420	0.214	-	-	3.248
6		Negative Non-R...	13.641	0.105	23.360	3.273	-	-	23.354	6.521
		Optical Span	13.641	1.903	-	0.405	0.213	-	-	6.926
7		Negative Non-R...	15.544	0.048	19.681	0.065	-	-	19.705	6.991
		Optical Span	15.544	6.026	-	1.387	0.230	-	-	8.378
8		Negative Non-R...	21.570	0.084	18.226	0.056	-	-	18.246	8.437
		Optical Span	21.570	1.538	-	0.341	0.222	-	-	8.779
9		Negative Non-R...	23.108	0.051	17.828	0.209	-	-	17.807	8.989
		Optical Span	23.108	0.73	-	0.205	0.282	-	-	9.194
10		Negative Non-R...	23.838	0.059	17.415	0.129	-	-	17.415	9.322
		Optical Span	23.838	1.85	-	0.383	0.207	-	-	9.704
11		Negative Non-R...	25.688	0.054	16.901	0.060	-	-	16.890	9.766
		Optical Span	25.688	1.043	-	0.224	0.215	-	-	9.991
12		Reflective Event	26.731	0.051	16.617	0.587	-	-44.282	23.771	10.578
		Optical Span	26.731	1.01	-	0.216	0.214	-	-	10.794
13		Negative Non-R...	27.741	0.046	15.814	0.054	-	-	15.813	10.848
		Optical Span	27.741	5.929	-	1.315	0.222	-	-	12.163
14		Negative Non-R...	33.670	0.023	14.441	0.170	-	-	14.423	12.337
		Optical Span	33.670	2.056	-	0.437	0.213	-	-	12.774
15		Negative Non-R...	35.727	0.015	13.833	0.215	-	-	13.808	12.989
		Optical Span	35.727	1.105	-	0.240	0.217	-	-	13.229
16		Reflective Event	36.831	0.054	13.379	-	-	-46.682	19.392	13.229

Test properties

Auto settings: Yes | Splice loss threshold (dB): 0.02 | RBS (dB/ns): -82.82

Result properties

Actual range (km): 45.0 | Actual pulse (ns): 275 | Actual duration (s): 15

Maximum injection (dB): 28.872 | Type:

OFM-24 OTDR report port#6 STP-ZEM-BG
ODF OK1,2/OK2/KON_IN_92 (72)

Datum: 03.02.2025.
Vreme: 07:42:50
Port: 6 (B2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 92,
pravac: Stara Pazova – Zemun - Beograd

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	100		Acquisition time [s]	10
Fiber	Dark		Range [km]	45

Rezultat

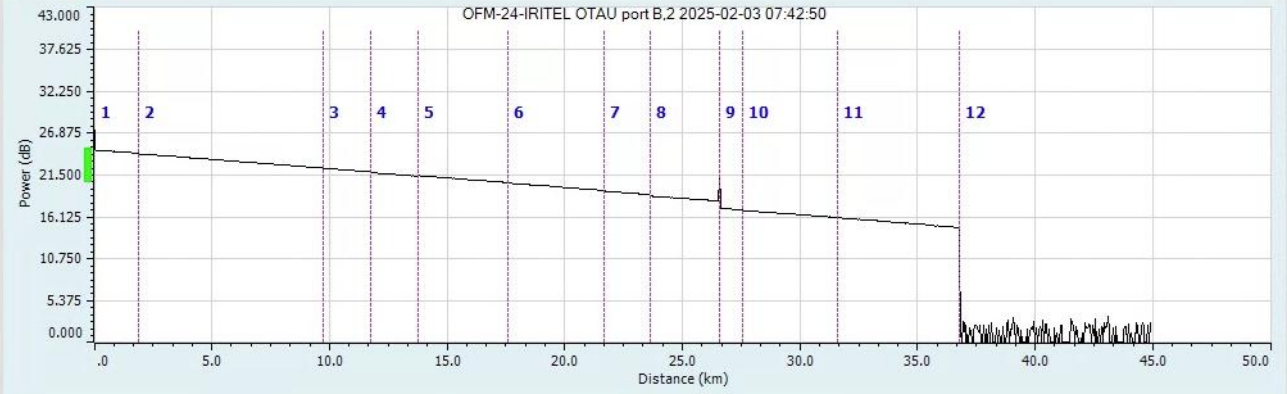
Total Loss [dB]	9,960		Average Loss [dB/km]	0,271
Total Length [m]	36801,75			
Number of events	12			

Grafik

OTDR Graph, device: 172.26.18.200, port: 6, measurement 2025-02-03 07:42:50

Results

Results graph



Zoom start: 0 | Zoom | Zoom out | Save trace

Zoom stop: 1

Results table

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Grouped Event	0.000	0.056	24.736	-	-	-52.393	30.010	0.000
1.1		Reflective Event	0.000	0.02	-	-	-	-61.339	26.563	0.000
1.2		Reflective Event	0.020	0.036	-	-	-	-52.393	30.010	0.000
		Optical Span	0.000	1.898	-	0.411	0.217	-	-	0.411
2		Negative Non-R...	1.898	0.036	24.324	0.065	-	-	24.315	0.476
		Optical Span	1.898	7.822	-	1.845	0.236	-	-	2.321
3		Negative Non-R...	9.720	0.033	22.412	0.048	-	-	22.435	2.372
		Optical Span	9.720	2.015	-	0.434	0.215	-	-	2.806
4		Negative Non-R...	11.735	0.031	21.929	0.104	-	-	21.953	2.910
		Optical Span	11.735	2.049	-	0.453	0.221	-	-	3.363
5		Positive Non-Re...	13.784	0.056	21.372	-0.062	-	-	21.438	3.301
		Optical Span	13.784	3.781	-	0.891	0.236	-	-	4.192
6		Negative Non-R...	17.565	0.054	20.544	0.059	-	-	20.547	4.250
		Optical Span	17.565	4.133	-	0.952	0.230	-	-	5.203
7		Negative Non-R...	21.698	0.031	19.533	0.107	-	-	19.539	5.309
		Optical Span	21.698	1.947	-	0.418	0.215	-	-	5.727
8		Negative Non-R...	23.644	0.026	19.009	0.194	-	-	18.992	5.921
		Optical Span	23.644	2.952	-	0.647	0.219	-	-	6.568
9		Reflective Event	26.596	0.043	18.167	0.910	-	-42.420	28.247	7.478
		Optical Span	26.596	0.962	-	0.219	0.227	-	-	7.697
10		Negative Non-R...	27.558	0.061	17.039	0.076	-	-	17.049	7.773
		Optical Span	27.558	4.061	-	0.893	0.220	-	-	8.666
11		Negative Non-R...	31.619	0.033	16.070	0.024	-	-	16.066	8.690
		Optical Span	31.619	5.181	-	1.269	0.245	-	-	9.959
12		Reflective Event	36.801	0.038	14.776	-	-	-56.460	18.292	9.960

Test properties

Auto settings: Yes | Splice loss threshold (dB): 0.02 | RBS (dB/ns): -82.82

Result properties

Actual range (km): 45.0 | Actual pulse (ns): 100 | Actual duration (s): 15

Maximum injection (dB): 26.785 | Type:

OFM-24 OTDR report port#9 STP-INĐ-BEŠ
ODF OK1,2/OK1/KON_OUT_36 (36)

Datum: 03.02.2025.
Vreme: 07:43:11
Port: 9 (C1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK1, konektor 36,
pravac: Stara Pazova – Inđija - Beška

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	50		Acquisition time [s]	10
Fiber	Dark		Range [km]	25

Rezultat

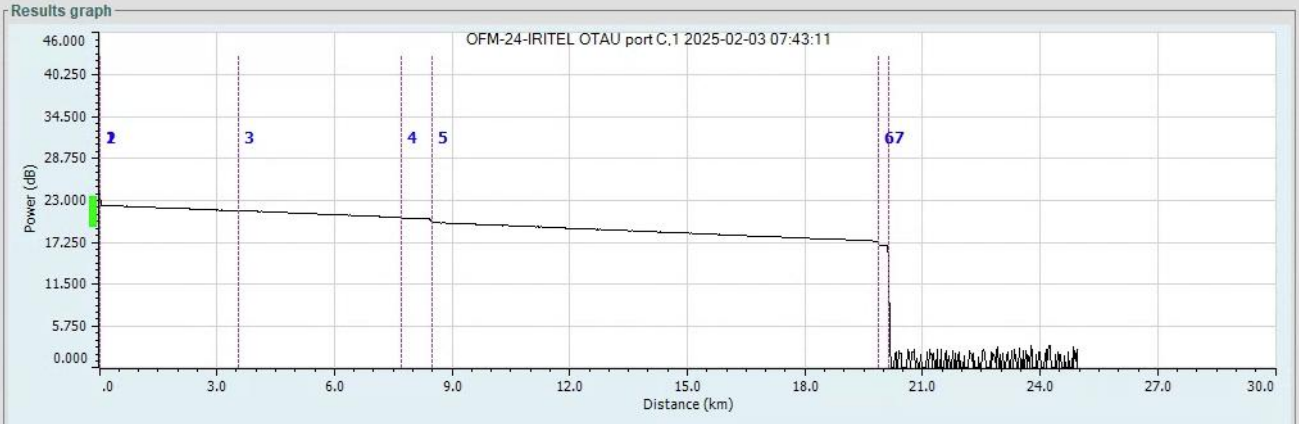
Total Loss [dB]	7,193		Average Loss [dB/km]	0,357
Total Length [m]	20149,74			
Number of events	7			

Grafik

OTDR Graph, device: 172.26.18.200, port: 9, measurement 2025-02-03 07:43:11

Results

Results graph



Zoom start: 0 | Zoom | Zoom out | Save trace

Zoom stop: 1

Results table

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Reflective Event	0.000	0.015	24.035	-	-	-67.149	24.960	0.000
		Optical Span	0.000	0.024	-	0.050	2.100	-	-	0.050
2		Reflective Event	0.024	0.023	23.905	1.656	-	-60.642	26.698	1.787
		Optical Span	0.024	3.523	-	0.786	0.223	-	-	2.573
3		Positive Non-Re...	3.547	0.015	21.572	-0.037	-	-	21.607	2.426
		Optical Span	3.547	4.165	-	0.938	0.225	-	-	3.364
4		Negative Non-R...	7.712	0.02	20.671	0.068	-	-	20.695	3.432
		Optical Span	7.712	0.767	-	0.157	0.204	-	-	3.588
5		Negative Non-R...	8.478	0.021	20.447	0.451	-	-	20.455	4.040
		Optical Span	8.478	11.41	-	2.583	0.226	-	-	6.622
6		Negative Non-R...	19.888	0.015	17.418	0.527	-	-	17.415	7.145
		Optical Span	19.888	0.261	-	0.048	0.185	-	-	7.193
7		Negative Non-R...	20.149	0.042	16.842	-	-	-	17.152	7.193

Test properties

Auto settings: Yes | Splice loss threshold (dB): 0.02 | RBS (dB/ns): -82.82

Result properties

Actual range (km): 25.0 | Actual pulse (ns): 50 | Actual duration (s): 15

Maximum injection (dB): 25.347 | Type:

OFM-24 OTDR report port#10 STP-INĐ-BEŠ
ODF OK1,2/OK2/KON_IN_36 (36)

Datum: 03.02.2025.
Vreme: 07:43:50
Port: 10 (C2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 36,
pravac: Stara Pazova – Inđija - Beška

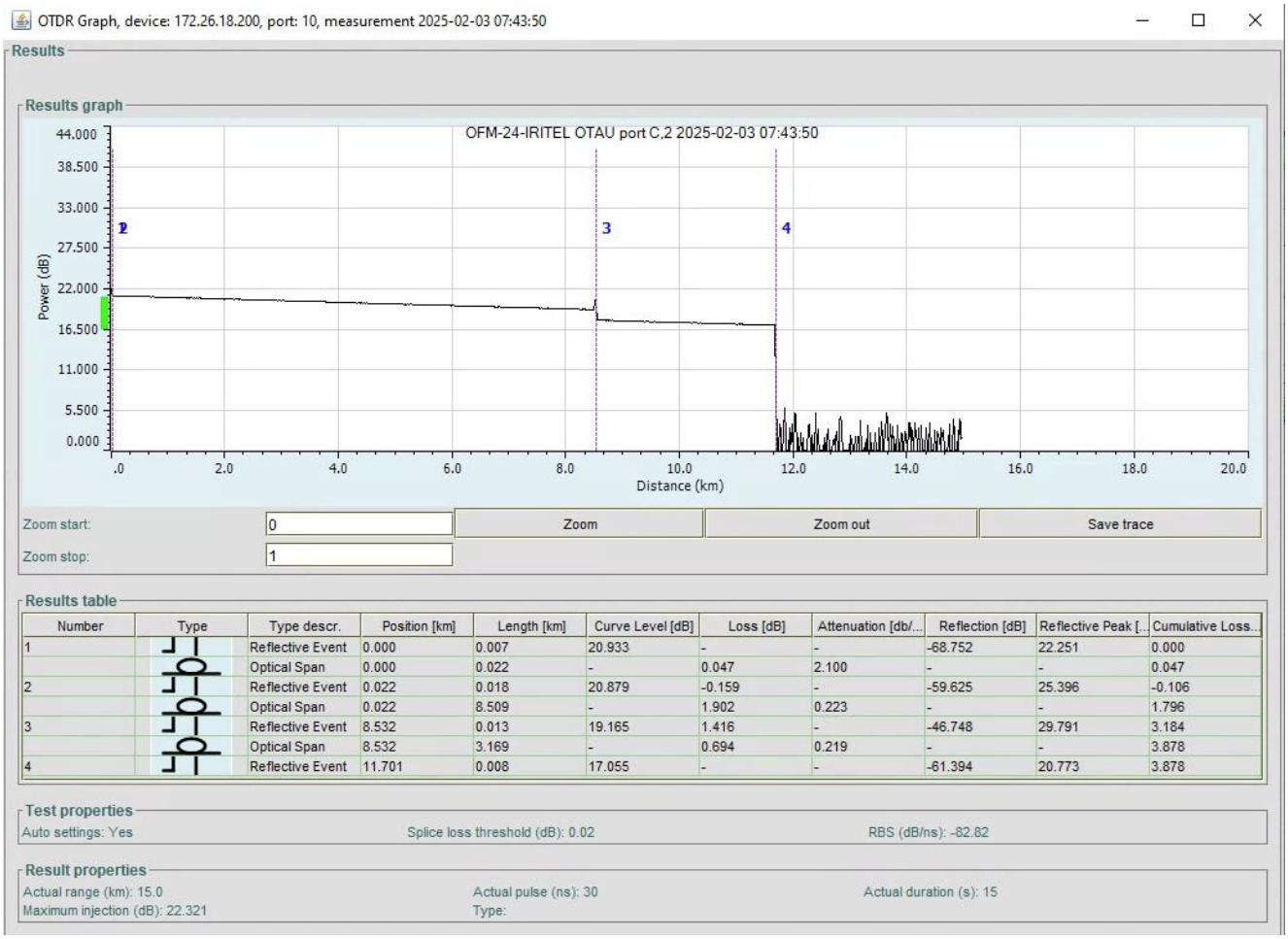
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	30		Acquisition time [s]	10
Fiber	Dark		Range [km]	15

Rezultat

Total Loss [dB]	3,878		Average Loss [dB/km]	0,331
Total Length [m]	11701			
Number of events	4			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Reflective Event	0.000	0.007	20.933	-	-	-68.752	22.251	0.000
		Optical Span	0.000	0.022	-	0.047	2.100	-	-	0.047
2		Reflective Event	0.022	0.018	20.879	-0.159	-	-59.625	25.396	-0.106
		Optical Span	0.022	8.509	-	1.902	0.223	-	-	1.796
3		Reflective Event	8.532	0.013	19.165	1.416	-	-46.748	29.791	3.184
		Optical Span	8.532	3.169	-	0.694	0.219	-	-	3.878
4		Reflective Event	11.701	0.008	17.055	-	-	-61.394	20.773	3.878

OFM-24 OTDR report port#13 STP-INĐ-NS
ODF OK1,2/OK1/KON_IN_48 (48)

Datum: 03.02.2025.
Vreme: 07:44:51
Port: 13 (D1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 48,
pravac: Stara Pazova – Inđija - Novi Sad

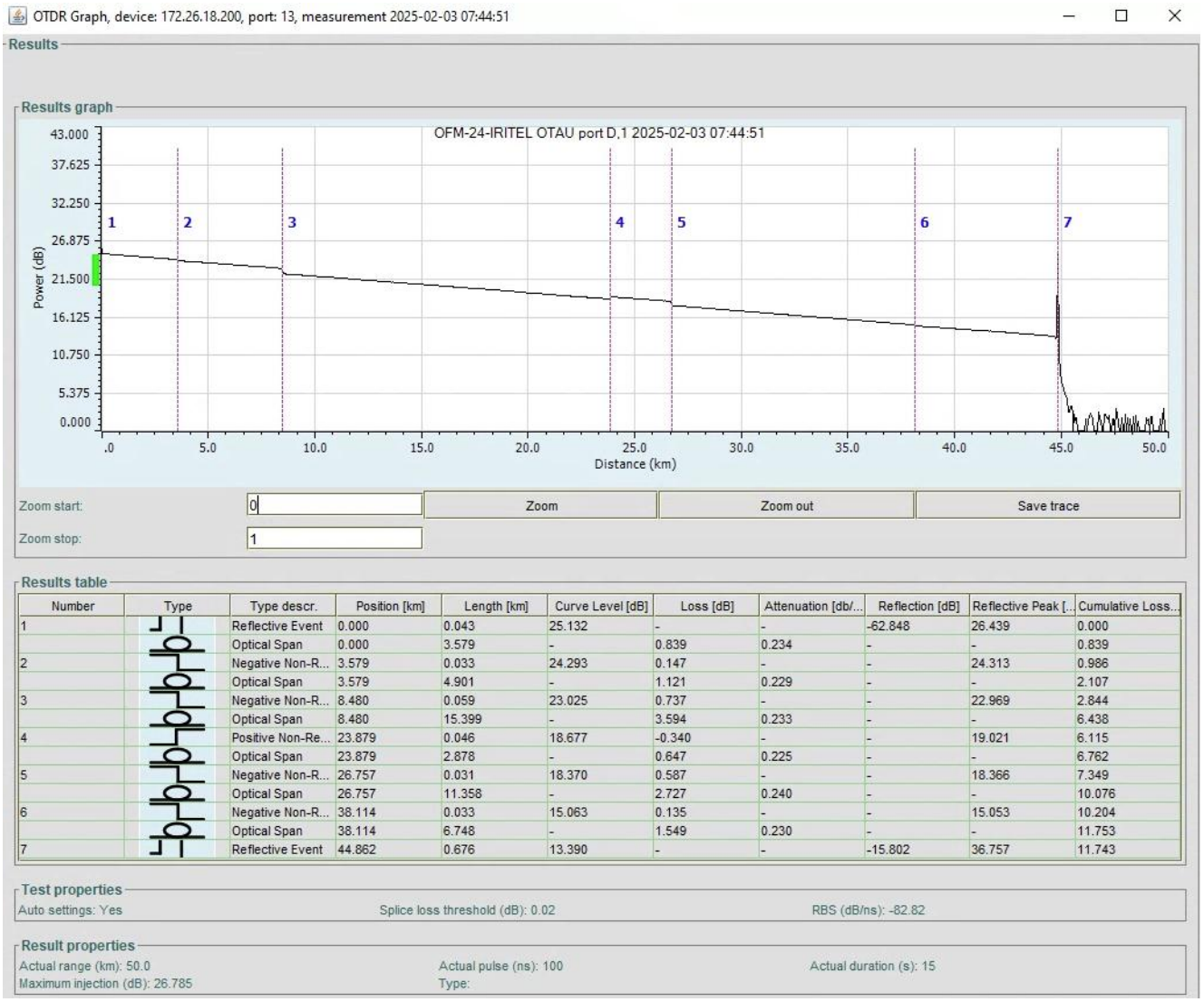
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	100		Acquisition time [s]	10
Fiber	Dark		Range [km]	50

Rezultat

Total Loss [dB]	11,743		Average Loss [dB/km]	0,262
Total Length [m]	44862			
Number of events	7			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak [...	Cumulative Loss...
1		Reflective Event	0.000	0.043	25.132	-	-	-62.848	26.439	0.000
		Optical Span	0.000	3.579	-	0.839	0.234	-	-	0.839
2		Negative Non-R...	3.579	0.033	24.293	0.147	-	-	24.313	0.986
		Optical Span	3.579	4.901	-	1.121	0.229	-	-	2.107
3		Negative Non-R...	8.480	0.059	23.025	0.737	-	-	22.969	2.844
		Optical Span	8.480	15.399	-	3.594	0.233	-	-	6.438
4		Positive Non-Re...	23.879	0.046	18.677	-0.340	-	-	19.021	6.115
		Optical Span	23.879	2.878	-	0.647	0.225	-	-	6.762
5		Negative Non-R...	26.757	0.031	18.370	0.587	-	-	18.366	7.349
		Optical Span	26.757	11.358	-	2.727	0.240	-	-	10.076
6		Negative Non-R...	38.114	0.033	15.063	0.135	-	-	15.053	10.204
		Optical Span	38.114	6.748	-	1.549	0.230	-	-	11.753
7		Reflective Event	44.862	0.676	13.390	-	-	-15.802	36.757	11.743

OFM-24 OTDR report port#14 STP-NPZ
ODF OK1,2/OK2/KON_IN_96 (96)

Datum: 03.02.2025.
Vreme: 07:45:38
Port: 14 (D2)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 96,
pravac: Stara Pazova – Inđija - Novi Sad

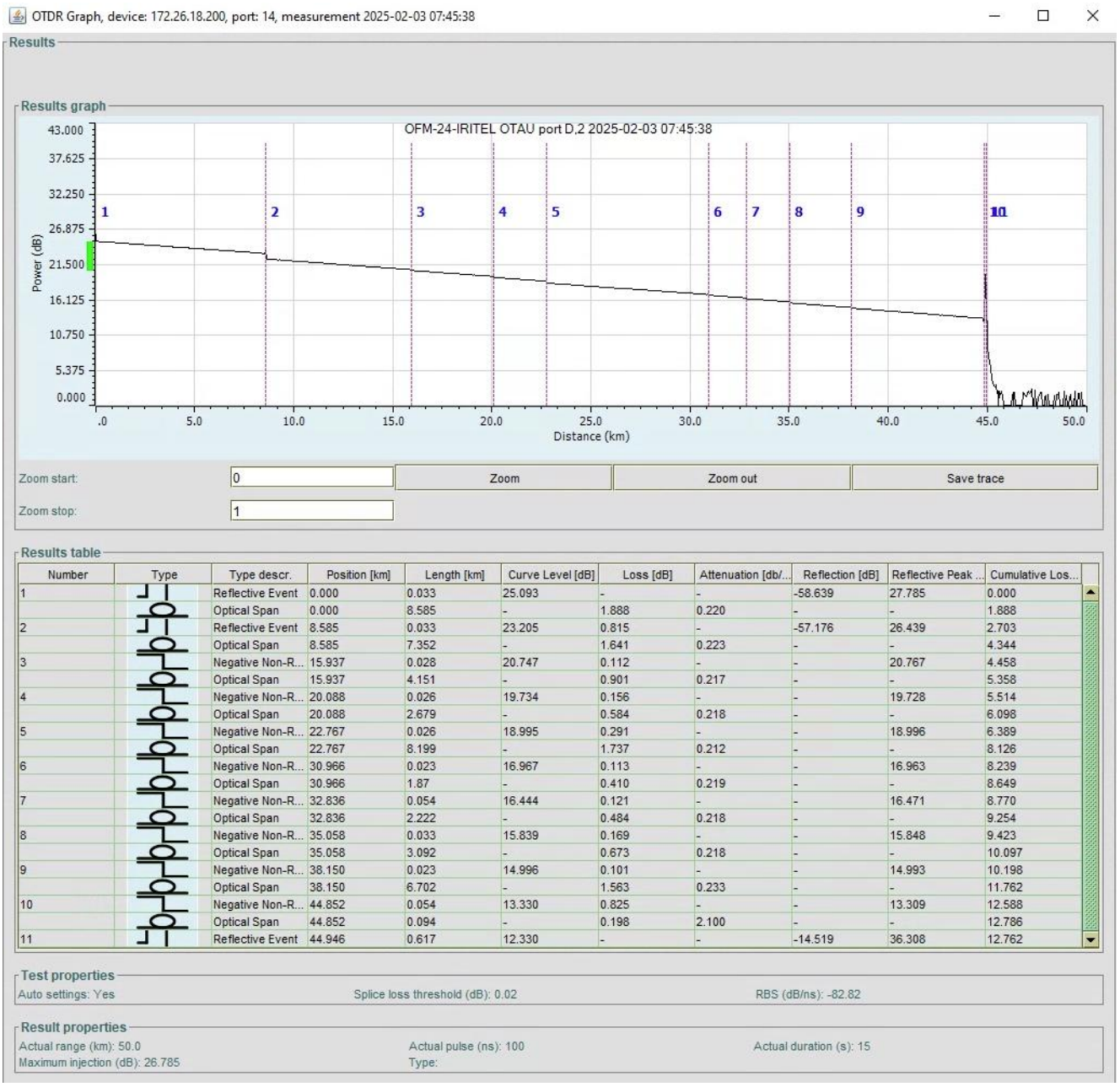
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	100		Acquisition time [s]	10
Fiber	Dark		Range [km]	50

Rezultat

Total Loss [dB]	12,762		Average Loss [dB/km]	0,284
Total Length [m]	44946			
Number of events	11			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.033	25.093	-	-	-58.639	27.785	0.000
		Optical Span	0.000	8.585	-	1.888	0.220	-	-	1.888
2		Reflective Event	8.585	0.033	23.205	0.815	-	-57.176	26.439	2.703
		Optical Span	8.585	7.352	-	1.641	0.223	-	-	4.344
3		Negative Non-R...	15.937	0.028	20.747	0.112	-	-	20.767	4.458
		Optical Span	15.937	4.151	-	0.901	0.217	-	-	5.358
4		Negative Non-R...	20.088	0.026	19.734	0.156	-	-	19.728	5.514
		Optical Span	20.088	2.679	-	0.584	0.218	-	-	6.098
5		Negative Non-R...	22.767	0.026	18.995	0.291	-	-	18.996	6.389
		Optical Span	22.767	8.199	-	1.737	0.212	-	-	8.126
6		Negative Non-R...	30.966	0.023	16.967	0.113	-	-	16.963	8.239
		Optical Span	30.966	1.87	-	0.410	0.219	-	-	8.649
7		Negative Non-R...	32.836	0.054	16.444	0.121	-	-	16.471	8.770
		Optical Span	32.836	2.222	-	0.484	0.218	-	-	9.254
8		Negative Non-R...	35.058	0.033	15.839	0.169	-	-	15.848	9.423
		Optical Span	35.058	3.092	-	0.673	0.218	-	-	10.097
9		Negative Non-R...	38.150	0.023	14.996	0.101	-	-	14.993	10.198
		Optical Span	38.150	6.702	-	1.563	0.233	-	-	11.762
10		Negative Non-R...	44.852	0.054	13.330	0.825	-	-	13.309	12.588
		Optical Span	44.852	0.094	-	0.198	2.100	-	-	12.786
11		Reflective Event	44.946	0.617	12.330	-	-	-14.519	36.308	12.762

IRITEL OFM-24 #2

Statusi uređaja

Lokacija	ID uređaja	IP adresa/maska	Gateway	Serijski broj	Status uređaja
Stara Pazova	OFM-24	172.26.18.201/24	172.26.18.1	1749092	**operativan**

Povezivanje portova na uređaju

Port na uređaju	Labela	Pravac	Komentar
OFM-24 #1 (A1)	ODF OK1,2/OK1/KON_IN_47 (47)	STP-ZEM-BG	
OFM-24 #2 (A2)			slobodno
OFM-24 #3 (A3)			slobodno
OFM-24 #4 (A4)			slobodno
OFM-24 #5 (B1)	ODF OK1,2/OK2/KON_IN_95 (71)	STP-ZEM-BG	
OFM-24 #6 (B2)			slobodno
OFM-24 #7 (B3)			slobodno
OFM-24 #8 (B4)			slobodno
OFM-24 #9 (C1)	ODF OK1,2/OK1/KON_OUT_47 (47)	STP-INĐ-NS	
OFM-24 #10 (C2)			slobodno
OFM-24 #11 (C3)			slobodno
OFM-24 #12 (C4)			slobodno
OFM-24 #13 (D1)	ODF OK1,2/OK2/KON_ OUT_95 (95)	STP-INĐ-NS	
OFM-24 #14 (D2)			slobodno
OFM-24 #15 (D3)			slobodno
OFM-24 #16 (D4)			slobodno
OFM-24 #17 (E1)			slobodno
OFM-24 #18 (E2)			slobodno
OFM-24 #19 (E3)			slobodno
OFM-24 #20 (E4)			slobodno
OFM-24 #21 (F1)			slobodno
OFM-24 #22 (F2)			slobodno
OFM-24 #23 (F3)			slobodno
OFM-24 #24 (F4)			slobodno

Povezivanje portova za OK1 i OK2 izvršeno OK 20m SC/APC – E2000 (4 kom)

Očitana merenja (14.01.2025.)

OFM-24 #2 OTDR report port#1 STP-ZEM-BG
ODF OK1,2/OK1/KON_IN_47 (47)

Datum: 03.02.2025.
Vreme: 07:49:18
Port: 1 (A1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK1, konektor 47,
pravac: Stara Pazova – Zemun – Beograd

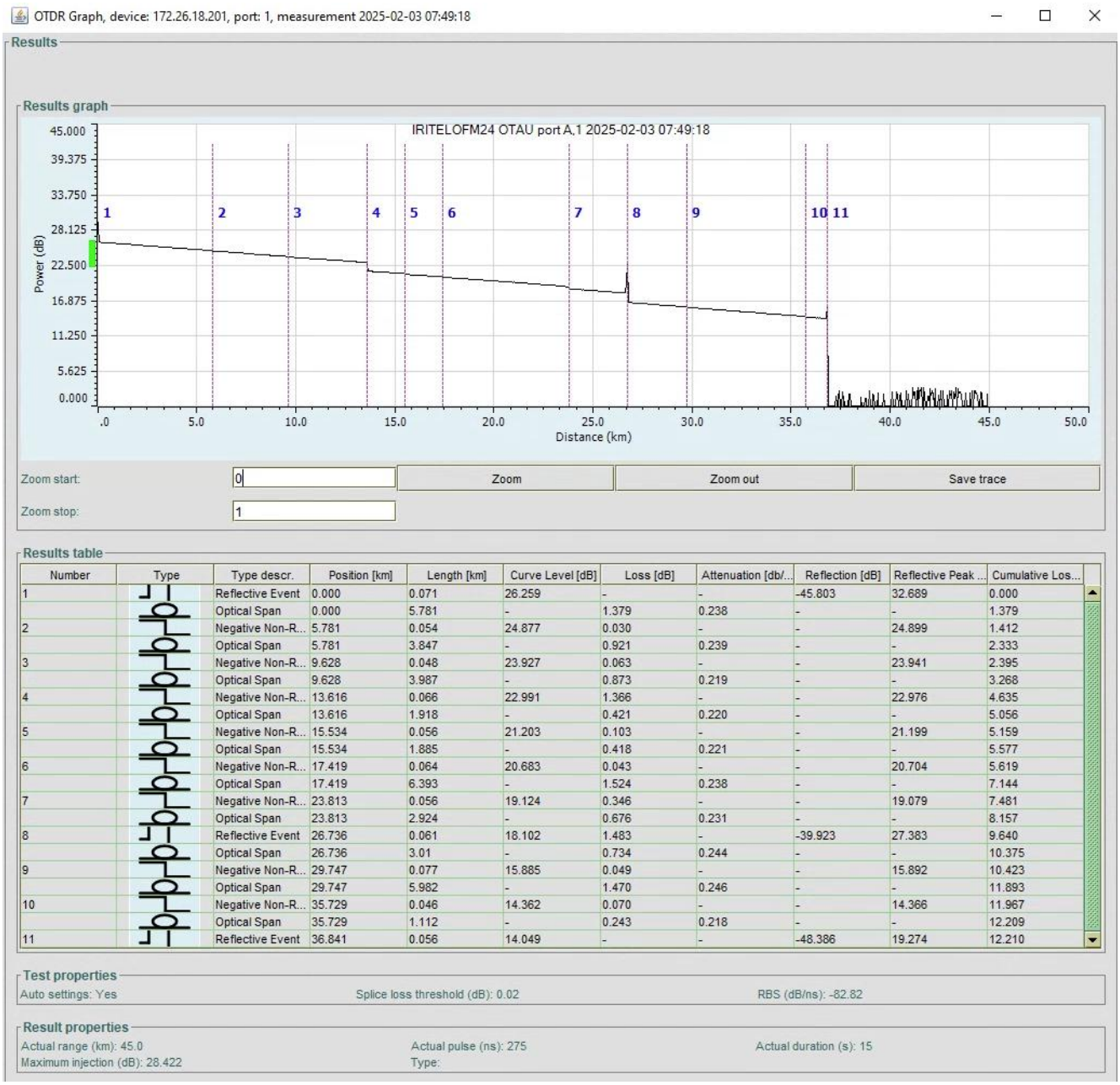
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	275		Acquisition time [s]	10
Fiber	Dark		Range [km]	45

Rezultat

Total Loss [dB]	12,210		Average Loss [dB/km]	0,331
Total Length [m]	36841			
Number of events	11			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.071	26.259	-	-	-45.803	32.689	0.000
		Optical Span	0.000	5.781	-	1.379	0.238	-	-	1.379
2		Negative Non-R...	5.781	0.054	24.877	0.030	-	-	24.899	1.412
		Optical Span	5.781	3.847	-	0.921	0.239	-	-	2.333
3		Negative Non-R...	9.628	0.048	23.927	0.063	-	-	23.941	2.395
		Optical Span	9.628	3.987	-	0.873	0.219	-	-	3.268
4		Negative Non-R...	13.616	0.066	22.991	1.366	-	-	22.976	4.635
		Optical Span	13.616	1.918	-	0.421	0.220	-	-	5.056
5		Negative Non-R...	15.534	0.056	21.203	0.103	-	-	21.199	5.159
		Optical Span	15.534	1.885	-	0.418	0.221	-	-	5.577
6		Negative Non-R...	17.419	0.064	20.683	0.043	-	-	20.704	5.619
		Optical Span	17.419	6.393	-	1.524	0.238	-	-	7.144
7		Negative Non-R...	23.813	0.056	19.124	0.346	-	-	19.079	7.481
		Optical Span	23.813	2.924	-	0.676	0.231	-	-	8.157
8		Reflective Event	26.736	0.061	18.102	1.483	-	-39.923	27.383	9.640
		Optical Span	26.736	3.01	-	0.734	0.244	-	-	10.375
9		Negative Non-R...	29.747	0.077	15.885	0.049	-	-	15.892	10.423
		Optical Span	29.747	5.982	-	1.470	0.246	-	-	11.893
10		Negative Non-R...	35.729	0.046	14.362	0.070	-	-	14.366	11.967
		Optical Span	35.729	1.112	-	0.243	0.218	-	-	12.209
11		Reflective Event	36.841	0.056	14.049	-	-	-48.386	19.274	12.210

OFM-24 #2 OTDR report port#5 STP-ZEM-BG
ODF OK1,2/OK2/KON_IN_95 (71)

Datum: 03.02.2025.
Vreme: 07:50:17
Port: 5 (B1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK1, konektor 95,
pravac: Stara Pazova – Zemun – Beograd

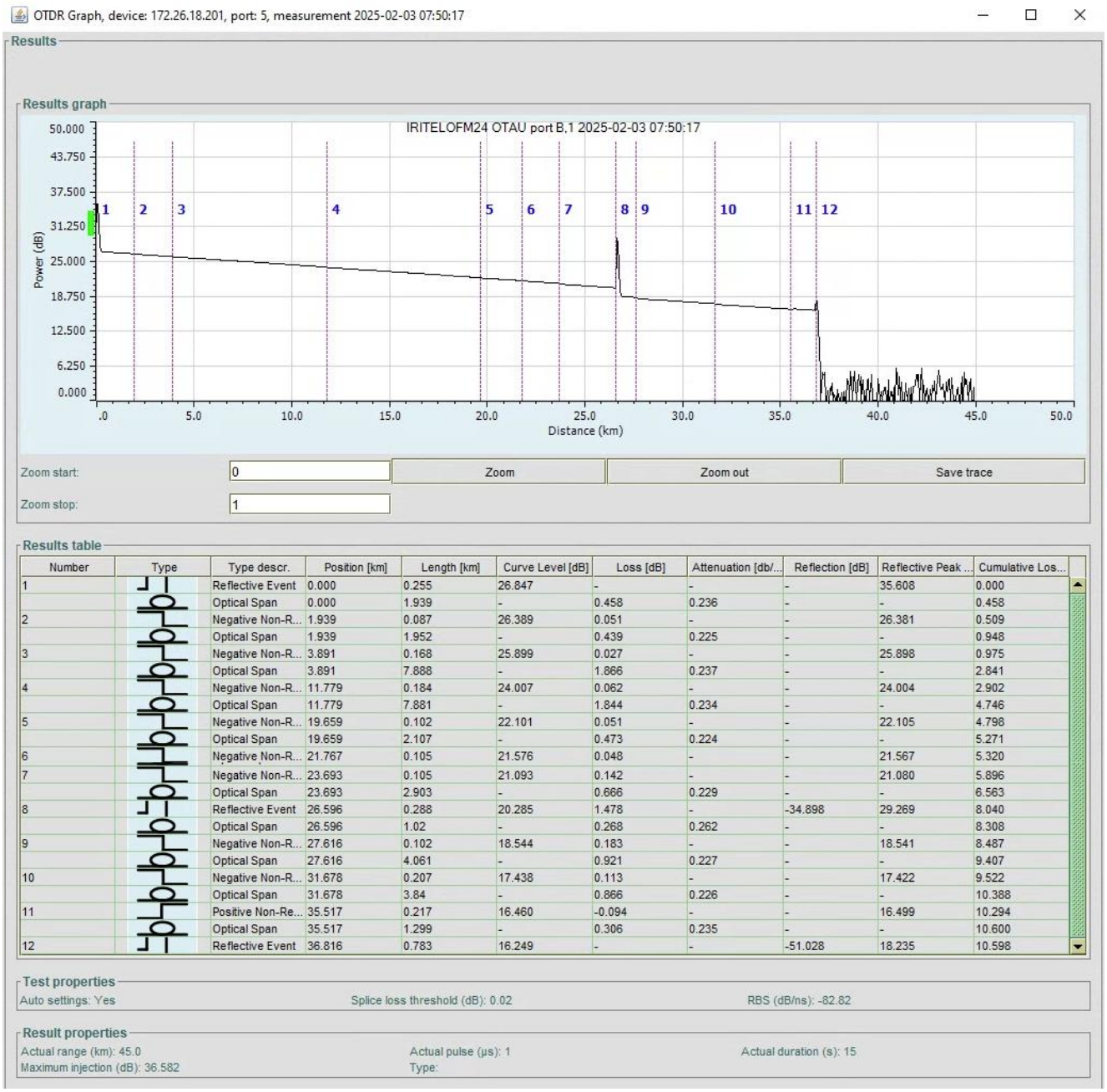
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	1000		Acquisition time [s]	10
Fiber	Dark		Range [km]	45

Rezultat

Total Loss [dB]	12,210		Average Loss [dB/km]	0,288
Total Length [m]	36816			
Number of events	12			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.255	26.847	-	-	-	35.608	0.000
		Optical Span	0.000	1.939	-	0.458	0.236	-	-	0.458
2		Negative Non-R...	1.939	0.087	26.389	0.051	-	-	26.381	0.509
		Optical Span	1.939	1.952	-	0.439	0.225	-	-	0.948
3		Negative Non-R...	3.891	0.168	25.899	0.027	-	-	25.898	0.975
		Optical Span	3.891	7.888	-	1.866	0.237	-	-	2.841
4		Negative Non-R...	11.779	0.184	24.007	0.062	-	-	24.004	2.902
		Optical Span	11.779	7.881	-	1.844	0.234	-	-	4.746
5		Negative Non-R...	19.659	0.102	22.101	0.051	-	-	22.105	4.798
		Optical Span	19.659	2.107	-	0.473	0.224	-	-	5.271
6		Negative Non-R...	21.767	0.105	21.576	0.048	-	-	21.567	5.320
7		Negative Non-R...	23.693	0.105	21.093	0.142	-	-	21.080	5.896
		Optical Span	23.693	2.903	-	0.666	0.229	-	-	6.563
8		Reflective Event	26.596	0.288	20.285	1.478	-	-34.898	29.269	8.040
		Optical Span	26.596	1.02	-	0.268	0.262	-	-	8.308
9		Negative Non-R...	27.616	0.102	18.544	0.183	-	-	18.541	8.487
		Optical Span	27.616	4.061	-	0.921	0.227	-	-	9.407
10		Negative Non-R...	31.678	0.207	17.438	0.113	-	-	17.422	9.522
		Optical Span	31.678	3.84	-	0.866	0.226	-	-	10.388
11		Positive Non-Re...	35.517	0.217	16.460	-0.094	-	-	16.499	10.294
		Optical Span	35.517	1.299	-	0.306	0.235	-	-	10.600
12		Reflective Event	36.816	0.783	16.249	-	-	-51.028	18.235	10.598

OFM-24 #2 OTDR report port#9 STP-INĐ-NS
ODF OK1,2/OK1/KON_OUT_47 (47)

Datum: 03.02.2025.
Vreme: 07:50:44
Port: 9 (C1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK1, konektor 47,
pravac: Stara Pazova – Inđija – Novi Sad

Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	100		Acquisition time [s]	10
Fiber	Dark		Range [km]	50

Rezultat

Total Loss [dB]	10,598		Average Loss [dB/km]	0,236
Total Length [m]	44839			
Number of events	12			

Grafik

Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.066	26.805	-	-	-41.982	35.079	0.000
		Optical Span	0.000	3.551	-	0.908	0.256	-	-	0.908
2		Negative Non-R...	3.551	0.051	25.897	0.047	-	-	25.906	0.955
		Optical Span	3.551	4.112	-	0.934	0.227	-	-	1.889
3		Negative Non-R...	7.664	0.066	24.915	0.033	-	-	24.930	1.923
		Optical Span	7.664	0.806	-	0.199	0.247	-	-	2.122
4		Reflective Event	8.470	0.048	24.683	0.355	-	-50.888	28.803	2.477
		Optical Span	8.470	11.401	-	2.676	0.235	-	-	5.153
5		Negative Non-R...	19.871	0.031	21.651	0.086	-	-	21.654	5.240
		Optical Span	19.871	3.995	-	1.029	0.258	-	-	6.269
6		Positive Non-Re...	23.866	0.041	20.537	-0.144	-	-	20.673	6.124
		Optical Span	23.866	2.875	-	0.644	0.224	-	-	6.768
7		Negative Non-R...	26.741	0.046	20.036	0.289	-	-	20.040	7.058
		Optical Span	26.741	4.128	-	1.060	0.257	-	-	8.118
8		Negative Non-R...	30.869	0.048	18.688	0.110	-	-	18.686	8.226
		Optical Span	30.869	4.11	-	1.085	0.264	-	-	9.311
9		Negative Non-R...	34.979	0.048	17.494	0.030	-	-	17.504	9.341
		Optical Span	34.979	3.112	-	0.799	0.257	-	-	10.141
10		Negative Non-R...	38.091	0.048	16.664	0.219	-	-	16.685	10.360
		Optical Span	38.091	6.666	-	1.589	0.238	-	-	11.949
11		Reflective Event	44.758	0.082	14.860	1.122	-	-45.512	21.417	13.067
		Optical Span	44.758	0.082	-	0.012	0.150	-	-	13.079
12		Reflective Event	44.839	0.176	13.718	-	-	-15.014	35.423	13.087

OFM-24 #2 OTDR report port#13 STP-INĐ-NS
ODF OK1,2/OK2/KON_OUT_95 (95)

Datum: 03.02.2025.
Vreme: 07:51:08
Port: 13 (D1)
Lokacija uređaja: Stara Pazova
Korisnik: Železnica Srbije
merenja na OK2, konektor 95,
pravac: Stara Pazova – Inđija – Novi Sad

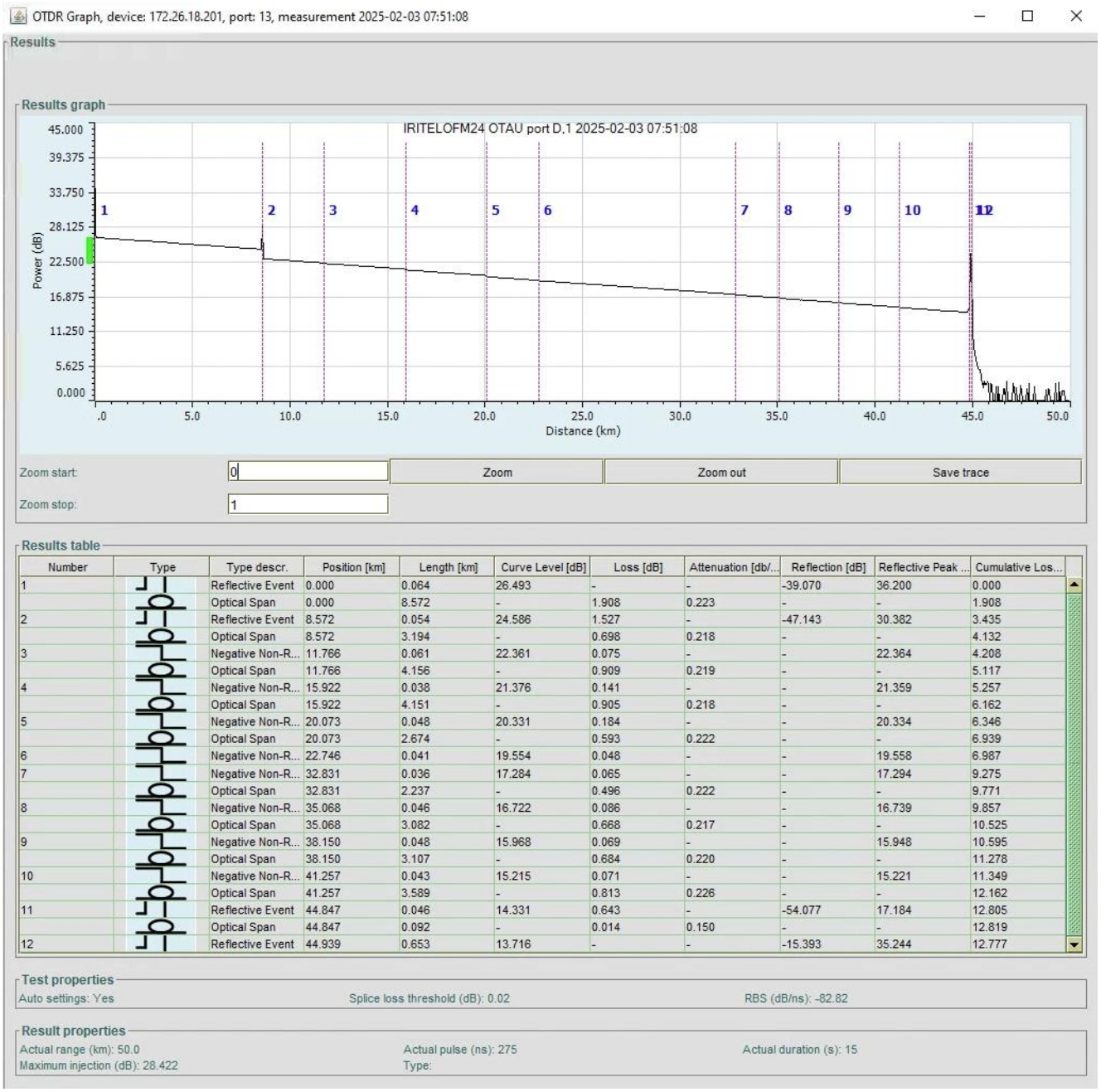
Parametri

Wavelength [nm]	1650		Index	1,468900
Pulse Width [ns]	275		Acquisition time [s]	10
Fiber	Dark		Range [km]	50

Rezultat

Total Loss [dB]	13,087		Average Loss [dB/km]	0,291
Total Length [m]	44939			
Number of events	12			

Grafik



Number	Type	Type descr.	Position [km]	Length [km]	Curve Level [dB]	Loss [dB]	Attenuation [db/...	Reflection [dB]	Reflective Peak ...	Cumulative Los...
1		Reflective Event	0.000	0.064	26.493	-	-	-39.070	36.200	0.000
		Optical Span	0.000	8.572	-	1.908	0.223	-	-	1.908
2		Reflective Event	8.572	0.054	24.586	1.527	-	-47.143	30.382	3.435
		Optical Span	8.572	3.194	-	0.698	0.218	-	-	4.132
3		Negative Non-R...	11.766	0.061	22.361	0.075	-	-	22.364	4.208
		Optical Span	11.766	4.156	-	0.909	0.219	-	-	5.117
4		Negative Non-R...	15.922	0.038	21.376	0.141	-	-	21.359	5.257
		Optical Span	15.922	4.151	-	0.905	0.218	-	-	6.162
5		Negative Non-R...	20.073	0.048	20.331	0.184	-	-	20.334	6.346
		Optical Span	20.073	2.674	-	0.593	0.222	-	-	6.939
6		Negative Non-R...	22.746	0.041	19.554	0.048	-	-	19.558	6.987
7		Negative Non-R...	32.831	0.036	17.284	0.065	-	-	17.294	9.275
		Optical Span	32.831	2.237	-	0.496	0.222	-	-	9.771
8		Negative Non-R...	35.068	0.046	16.722	0.086	-	-	16.739	9.857
		Optical Span	35.068	3.082	-	0.668	0.217	-	-	10.525
9		Negative Non-R...	38.150	0.048	15.968	0.069	-	-	15.948	10.595
		Optical Span	38.150	3.107	-	0.684	0.220	-	-	11.278
10		Negative Non-R...	41.257	0.043	15.215	0.071	-	-	15.221	11.349
		Optical Span	41.257	3.589	-	0.813	0.226	-	-	12.162
11		Reflective Event	44.847	0.046	14.331	0.643	-	-54.077	17.184	12.805
		Optical Span	44.847	0.092	-	0.014	0.150	-	-	12.819
12		Reflective Event	44.939	0.653	13.716	-	-	-15.393	35.244	12.777

Istorija alarma

Tokom perioda od 01.01. do 31.01. oba OTDR uređaja su generisala po oko 65 000 alarma. Ispostavlja se da se na period od 2 minuta javljaju alarmi OTDR-PORT-FAILURE. Potrebno je proveriti da li su kanali adekvatno povezani na razvodnom ormaru, odnosno šta bi konkretno moglo da uzrokuje ovakvo ponašanje.